PIONEER AIR CONQUERORS TO BE EXHIBITED

Machines Used by Aviators in Early Flight Attempts to Be

Shown by Aero Club of America-Ten Day Gathering

at Grand Central Palace of the High Fliers in Air



vellous advancement the Aero America has undertaken to onduct what in all probability will be the most important and complete exhibi-tion of aircraft ever shown here or abroad. ment." Mr. Ludlow attributed the ac-It will be the first show of its kind ever cident to improper bracing held in this country and will take place in Although the club was unfortunate in not the Grand Central Palace May 9 to 18, obtaining these relics it was more for-Both historical and modern apparatus, tunate in securing specimens of the American and foreign, will be on view and efforts of the late Octave Chanute, who

races during the last year, which will be glider, in which its inventor met his death. on view in competition with the Ameri-can products.

The Wrights followed in the footsteps of Lilienthal and Chanute when in 1900.

dirigible balloons to the aeroplane and hy- for the exhibition.

was disappointed in many instances to ment Association, founded by Dr. Alex-Grd Lat relics of unusual value, such as the glider with which Orville Wright remained. It may be interesting to know that the aloft ten minutes without a motor, some idea was conceived by Mrs. Bell. Dr. months ago had been destroyed. It Bell had been experimenting with was also impossible to secure the Langley tetrahedral kites, and practical machine, which was presented to the F. W. Baidwin and J. A. D. McCurdy Smithsonian Institution after his death, two young Canadians. He had also en-It was for Langley that the Government listed the services of Gleon II Curiss, a appropriated \$50,000 for experimental motor builder of Hammondsoon, N. Y. purposes, and it was believed but for an and Lieut. Thomas Selfridge, a naphew would have been able to have realized a study of heavier than air machines. his dreams. His failure b ought forth Mrs. Bell suggested that a scientific criticism and the press satirically referred association be formed, and immediately training school at San Diego. With its to him as the "buzzard." He died before made the proposition to provide the receiving proper public recognition or funds with which to carry on the experirealizing the results that were later to be ments. The organization was founded, having been rechristened the Loon, being built upon his experiments. Just before and five machines, the Red Wing, the he died the Aero Club of America sent him White Wing, the June Bug, the Silver a letter in recognition of his work. His Dart and the Cygnet, or Dr. Bell's tetraonly comment was, "Send it to the press." hedral kite, were the result.

The glider of Israel Ludlow, one of the early experimenters, in which Charles K. Hamilton made ascensions over the Hudson, is also not to be had. It may ly: ed since. The flight was the result if Mr. Ludlow could build a glider that would lift the combined weight. work was enthusiastically begun, and first after it had been finished Mr. Ludlow said he would try it out alone first.

said "I took my seat and the aeroplane was tilted upward at its forward end; they were slow to take chances, and the signal was given to start, and under when a crowd turned out to see a flight he impulse of a speeding automobile there was usually no flight. It ended the aeroplane rose as though it were flung into the air. The rush of wind past the planes and through the braces was for weather. the planes and through the braces up to the planes and through the braces it determines atmospheric conditions is ring the level at which the aeroplane ted with the distant line of the Atlantic thean's horizon I saw they were very our the same.

Heard an Ominous Crack.

when the aeroplane struck the beach of the inventors.

lecturers will be on hand to explain the in 1898 experimented with four types of glide's. Some of the Chanute machines, Through its representatives in Europe through the courtesy of the Aero Club of the club has been able to obtain several Illinois, are included in the exhibits of the record making machines in the big. One of them is a copy of the Lilienthal

to conduct the show along periments and with more success than the lines of the successful Paris aero their predecessors. In 193 the Wrights salons only on broader plans. A. C. constructed their first power driven Yates, the business manager, said the aeroplane, and on December 17 of that list of exhibits so far range in value from year the world's first prolonged motor \$250,000 to \$300,000 and that every phase aeroplane flight was made by them at in aerial avaigation has been anticipated Kitty Hawk, N. C. Propollers from the ranging from the parachute, spherical and early Wright machines have been lent

ident in launching his machine he of Rear Admiral Selfridge, who had made

Made Number of Flights.

McCurdy made a number of successful te recailed that in making an ascension flights with the Silver Dart. The June at Ormond Beach Mr. Ludlow was so Bug, the invention of Curtiss, won the seriously injured that he has been para- Scientific American trophy in 1908 in a flight of more than a kilometer Curtiss continued his experiments, and the first bers of the party agreed to make a flight | machine to sustain long and continuous flight was purchased by the Aeronautical Society for exhibition purposes. The public exhibition was given at the old Morris Park racecourse. There were no aviators in those days, and each man In describing the accident Mr. Ludlow had to fly his own invention. With confidence based principally on theory. by demands for a return of the entrance fee. The blame was always put on the

among his friends and watches the smoke. A smoker lights the cigar and holding his into the air. If it arises in a perpendicular line it is considered good flying weather, if not the sport is postponed. Another way is to hold a handkerchief at arm's Then I heard an ominous crack to length, the trained sense of an aviator left, just in the rear of the forward enabling him to judge of the wind's velocnes. I saw a wire brace had snapped ity. This is one of the habits of Wilbur " wired stay under the air pressure, are cautious about the weather. Wilbur sebending in a curve. Very quickly, Wright, it will be remembered, spent many

watched one wire after another snap
ad the bending and breaking of bamad the bending and breaking of bamad not inspire any feeling of fear. I
d not inspire any feeling of fear. I
eard the confused shouting of speceard the confused shouting of speceard the confused shouting of speceard the point on which I was
an hour. Hamilton used the same ma
an hour which is a pecular to the heard plant and the bending and breaking of bam- Aeronautical Society and instructing an whistling buoy.

original motor it will be exhibited at the Aero Club's show. The old June Bug. the pioneer hydro-aeroplane, will also be

Clifford B. Harmon Capt Thomas S.

Wilcox noted Aviators. 000

Baldwin. Roy Knabenshue. Philip

be an Antoinette monoplane, a type made famous by Hubert Latham, "the man with the cigarette," who made a specialty of sensational feats, such as flying in storms and going duck shooting in an aeroplane. The Antoinette was a dangerous bird it had put flier after flier on the ground. and its makers were about ready to give it up when this young boulevardier appeared and offered to drive it. And the machine and Latham both jumped into fame. It was one of Latham's habits as a boulevardier to smoke cigarettes in a long holder. One of his tricks while flying was to take out a match and light his cigarette. Those who saw the young Frenchman at the Belmont Park meet

Limousine Aeroplane built to order for Private Owner Delicered First Aero Message. The machine to be shown belongs to a war message, together with some in-

ness was the first aviator to deliver to the American officers at Tia Juana, Mexico,

will recall him always with a cigarette. Harry Harkness, one of the first American struments. It was the first war message sportsmen to take up flying. Mr. Hark- ever carried. Mr. Harkness bought two in the Wright school, to take as many membership of the Aero Club. guests as would go. During the week-BANGOR, Me., April 20.-In Washing-| the existence in that neighborhood of | Three steamers were used in these peared to be directly under me. I to gauge it by cigar smoke. Not being a ton recently, in the course of a hearing "silence belts," or, as sailors call them, experiments, moving back and forth on and Wright hydro-aeroplane biplanes awarded in the army for competitive different courses, and their pilots found placed off Monhegan Island on the These areas, impenetrable by sound, that at times it was impossible to hear

Gien M. Curtiss alighting in a hydro-Aeroplane

SILENCE

aned to lock backward, and in com-smoker himself, he distributes cigars on petitions asking that a lightship be "ghosts of the sea." peculiar conditions that exist in that another to-morrow.

of sound. buoy off Manana Island, a small sea west, but not to the southeast, while on be heard on deck, while the blasts of rock lying to the north of Monhegan. a Tuesday the conditions may be reis frequently inaudible, and when this versed, and the next day a stil different a man fifty feet aloft. and that a bamboo stick, released from Wright. Both Mr. Wright and Mr. Curtiss happens in foggy weather vessels ap- distribution of sound may prevail. In ear across the aeroplane, one wire days at Governors Island during the danger of losing their bearings and heard the whistle or the foghern. ther another gave way and the forward Hudson-Fulton celebration before he going to smash on the rocky shores of One of the explanations given for the apparent conditions. A fog signal may lanes bent upward. The aeroplane would trust himself aloft. With these the islands or the main land. There is peculiar conditions controlling sound st its lifting capacity and began to same machines the present day daredevil a fine big light on Monhegan, visible many miles at sea in clear weather, but sound waves are deflected by the form the season when passenger travel is at which each of the mill come a heavy blast as if close aboard, succeeded by more faint sounds. There is pecultar conditions controlling sound distribution off Monhegan is that the sound waves are deflected by the form and heavy blast as if close aboard, succeeded by more faint sounds waves are deflected by the form and heavy blast as if close aboard, succeeded by more faint sounds in the islands of the mail land. There is pecultar conditions controlling sound distribution off Monhegan is that the sound waves are deflected by the form and then will come a heavy blast as if close aboard, succeeded by more faint sounds. It has been noticed that just before a rainstorm these signals may be heard at the while or horn, and then will come a heavy blast as if close aboard, succeeded by more faint sounds. It has been noticed that just before a rainstorm these signals may be heard at the while or horn, and then, after travers. in the few seconds which elapsed be- these reckless riders rather than to any the season when passenger travel is at whistle or horn, and then, after travers-Teen the first downward move and pronounced improvement on the part its height in picking up the Island and ing a space at high altitude, are again A 12 Pound Trout From Montana getting a new point of departure, owing deflected to the water level, thus creat-

will be on view. In September, 1911, Coffyn with Messrs, The first set of boats fitted to the machine later. At other times no sound could

Under certain atmospheric conditions sound can be heard at great distances, able difference exists under the same be heard faintly for several minutes and

minutes. Another new machine which made its appearance at the Paris show was the Marcey-Moonen monoplane, with folding wings. This machine is most birawings around. Capt. Thomas S. Baldwin, the veteran

latest Mechanical Bird

Quimby

Parade

Ground at Osaka

machines and spent a small fortune on

them, but Mrs. Harkness objected so

seriously that he soon abandoned the

Clifford B. Harmon has loaned his

amateur class. Like Mr. Harkness he

lish aviator, and Welch, the instructor

first to use a starting device from the

Attached Canoe to Machine.

Originally Wilbur Wright attached a

canoe underneath the machine when

flying over water. He used a sixteen foot boat in his trip over the Hudson during the

Hudson-Fulton celebration. At that time the Wrights had not equipped their ma-

chines with wheels and it was launched

abandoned flying to please his family.

not stuck to the sport.

used for teaching

aviator, has lent his Red Devil, with which he made flights in China and Japan last year. It was the first time that a flying machine had been seen in those The army will send its Wright-Burgess

biplanes with a wireless equipment. Motors and other devices both domestic and foreign will supplement the exhibits. trol, constructed by W. Starling Burgess, known as the Flying Fish, will have a

place among the exhibits. It has neithe wheels nor supplementary wing tips. It has made many successful flights. The original American monoplane is included in the show. It was built by the late A. L. Pfitzner at the Curtiss factory

in 1910 and was flown by Pfitzner. The American II., the balloon in which Allan Hawley and Augustus Post established the American record for distance

and won the Gordon Bennett trophy in 1910, will have a place in the historical started for the north pole will also be there Capt. Horace Wild has loaned the.

framework of a copy of a Parseval dirigible, one of the latest German airships. A frame work of a Zodiac dirigible made in France is also exhibited through the courtesy of A. Leo Stevens.

Bomb Throwing From Skies.

It is the purpose to show in moving pictures such machines as will not be on The Morane monoplane, in which exhibition. As a preliminary to the big Vedrines made his trip from Paris to showthere will be a hydro-aeroplane race Madrid, will also be among the French over the Hudson May 1. A number of exhibits, as will Miss Harriet Quimby's events have been scheduled for the day, Blériot, with which she crossed the En- including speed contests, passenger carrying, bomb throwing and mail carrying.

It is believed by members of the Aero Farman biplane in which he made flights Club that over water flying will become at Mineola and several meets in the a popular pastime for sportsmen, as it offers more safety than flights over the ground.

Although the club has a membership Several other wealthy young sportsmen were initiated into the art of flying at the Nassau Boulevard last summer, but have to the clouds. Neither Cortlandt Field Bishop nor Allan A. Ryan, the former Robert J. Collier, president of the Aero presidents, ever took a ride. Mr. Ryan 'lub of America and the owner of two presented to the club a Nieuport mono-Wright biplanes, was the first to make plane, which will be on exhibition at the aeroplane rides the feature of a house show.

The cost of aeroplanes is frequently party. At his country place at Wickatunk, N. J., he engaged Sopwith, the Eng- given as a reason that more are not in use, but this could hardly apply to the of standard machines range from \$500 to end party Mr. Collier gave a hunt and rode \$7,500 and copies may be obtained much

from his house to the starting point in cheaper. SEA FOGS from his house to the starting point in cheaper.

Several of the members have offered Richard Harding Davis and a number individual prizes for events. Clarence of well known sportsmen. Both Curtiss H. Mackay has put up a trophy to be merit in advancing the efficiency of aviation in military service, while Harry Payne Whitney has offered a trophy to Coffyn over the Hudson has been obtained. be awarded in the navy under the same Fred A. and Russell Alger of Detroit, conditions. The Aero Club of America trophy, presented to the club by Robert Collier, is to be annually awarded had aluminum bottoms with mahogany for the greatest achievement in aviation sides, whereas the two later sets of floats in America the value of which has been are constructed entirely on a wooden demonstrated by use during the preceding

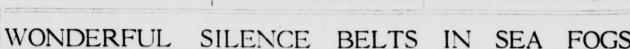
frame. Mr. Coffyn was also one of the year. The following is the committee in charge of exhibition: W. Irving Twombly, chairman; A. Holland Forbes, Alfred Reeves, Charles E. Spratt, Otis Fenner Wood, E. L. Jones, Roger B. Whitman Charles de San Marzano, G. F. Campbell Wood, Henry A. Wise Wood, Rodman Wanamaker and L. B. Alexander.

Officers of the Aero Club are: President, Robert J. Collier; first vice-president, James A. Blair, Jr.; second vice-president, from a track. The first machine bought Samuel Reber; third vice-president, Harby the United States Government was old F. McCormick; fourth vice-president, built on this plan. The Wrights have Henry A. Wise Wood; treasurer, Charles also done away with a front rudder. On Jerome Edwards; secretary, Cortlandt

their latest patterns they are showing a F. Bishop. new automatic device. While there have been changes, this country has not deut of the United States, the Governor progressed far enough to strive for luxury of the State of New York, the Mayor in aerial vehicles, as is being done on the of the city of New York, Comte Henri other side. To the order of a private de La Vaulx, Lieut, Frank Purdy Lahm, party Blériot built a limousine monoplane U. S. A.; James Gordon Bennett, Wilbur

that carries four passengers besides the Wright and Orville Wright. aviator, who occupies a seat in front of the Among the life members was the late

enclosure. It has made flights of sixteen John Jacob Astor.



watched one wire after another snap After delivering the machine to the to their hability to hear the little ing the so-called silence belts. It fre-

Maine coast, Capt. Frank Brown of the shift about in a strange way, occupy- the fog signal on White Head, although head back blows the smoke straight up steamer Camden testified concerning ingone segment of a circle to-day and they could distinctly see the steam es-

whistler or the foghorn on the island talnutes at a time, to be picked up again Capt. Brown said that the whistling may be distinctly audible in the southproaching the entrance to Penobscot such circumstances a vessel might be Bay from the West and South are in almost upon the rocks before her people and frequently it occurs that a remark-

Since it has been flown by McCurdy.

Some years ago, during experiments at the back flow.

White Head light, a confusing condi
weighed in Butte tipped the scales at 12

pounds.

caping from the horn. Sometimes all neighborhood affecting the transmission. Thus on a Monday the Monhegan sound would cease for ten or fifteen

Stream.